

711152

# ABSTRACT OF THE DISCLOSURE

1           An apparatus and method of detecting a transmission code from a received signal,  
2           where the transmission code is composed of a plurality of dithered codes. The codes can  
3           be dithered either by varying the length of the code or varying the phase of the code  
4           according to a dither pattern and can be a stationary dither pattern that is fixed and  
5           generally known. The method includes detecting the plurality of dithered codes, and  
6           detecting the long code based on the detected dithered codes. A detection signal is  
7           generated for each detected dither code, the detection signals are combined, and the long  
8           code is detected based on the combination of detection signals. If the composite code  
9           includes M dithered codes, the correlation signals are combined by summing the M  
10          correlation sums to generate a present final sum. The long code is detected by  
11          determining a largest final sum from among the present final sum and previously  
12          generated final sums, and associating a time of the largest final sum with the time of the  
13          transmission code.